

WEST

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US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins ▼

Term: 134 near (microemulsion and dispersion) ▲
▼

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result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

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|---------------------|---|-------|---------------------|
| L41 | 134 near (microemulsion and dispersion) | 3 | L41 |
| L40 | 134 same (microemulsion and dispersion) | 360 | L40 |
| L39 | 134 near microemulsion | 367 | L39 |
| L38 | 134 same microemulsion | 663 | L38 |
| L37 | L35 and microemulsion | 0 | L37 |
| L36 | L35 and microemulsion and hydrodispersion | 0 | L36 |
| L35 | 134 same polyurethane | 56 | L35 |
| L34 | o/w or oil in water | 5521 | L34 |
| L33 | bornylidenemethyl near benzene | 34 | L33 |
| L32 | L30 same sunscreen | 0 | L32 |
| L31 | I30 and I29 and I26 | 0 | L31 |
| L30 | benzimidazol | 28 | L30 |
| L29 | bornylidenemethyl\$ | 109 | L29 |
| L28 | benzimidazol near tetrasulfonic acid | 5 | L28 |
| L27 | phenylene near benzimidazol near tetrasulfonic acid | 0 | L27 |
| L26 | resorcinyltriazine | 12 | L26 |
| L25 | benzotriazole | 26173 | L25 |
| L24 | 5948416.pn. and sunscreen | 1 | L24 |

| | | | |
|------------|---|------|------------|
| <u>L23</u> | 6013271.pn. and sunscreen | 1 | <u>L23</u> |
| <u>L22</u> | 5883085.pn. and sunscreen | 2 | <u>L22</u> |
| <u>L21</u> | 588308.pn. and sunscreen | 0 | <u>L21</u> |
| <u>L20</u> | 5874095.pn. and sunscreen | 1 | <u>L20</u> |
| <u>L19</u> | 5599549.pn. and sunscreen | 1 | <u>L19</u> |
| <u>L18</u> | 5380528.pn. and sunscreen | 1 | <u>L18</u> |
| <u>L17</u> | L16 and sunscreen | 2 | <u>L17</u> |
| <u>L16</u> | 5073372.pn. | 2 | <u>L16</u> |
| <u>L15</u> | polyurethane and L14 | 2 | <u>L15</u> |
| <u>L14</u> | 4681905.pn. | 2 | <u>L14</u> |
| <u>L13</u> | 9321904.pn. | 2 | <u>L13</u> |
| <u>L12</u> | polyurethane same (sunscreen or sun screen) | 66 | <u>L12</u> |
| <u>L11</u> | I9 same (sunscreen or sun screen) | 5 | <u>L11</u> |
| <u>L10</u> | I3 and L9 | 3 | <u>L10</u> |
| <u>L9</u> | polyurethane same (waterproof or waterproofing or water resistant or water resistance) | 3815 | <u>L9</u> |
| <u>L8</u> | 20010006032.pn. and polyurethane | 1 | <u>L8</u> |
| <u>L7</u> | polyurethane same (o/w or oil in water) | 56 | <u>L7</u> |
| <u>L6</u> | polyurethane same (o/w or oil in water) | 56 | <u>L6</u> |
| <u>L5</u> | polyurethane same (o/w or oil in water)] | 0 | <u>L5</u> |
| <u>L4</u> | polyurethane and L3 | 109 | <u>L4</u> |
| <u>L3</u> | (424/59)!.CCLS. or 424/60.ccls. | 2460 | <u>L3</u> |
| <u>L2</u> | L1 and polyurethane | 21 | <u>L2</u> |
| <u>L1</u> | tinosorb or parsol 1789 or eusolex 9020 or neo heliopan ap or uvasorb heb or uvinul t 150 or drometrizole trisiloxane | 436 | <u>L1</u> |

END OF SEARCH HISTORY

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L12: Entry 64 of 66

File: DWPI

Nov 28, 1995

DERWENT-ACC-NO: 1996-019746

DERWENT-WEEK: 199602

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TITLE: Dispensing and applicator system for applying dermatological agents - comprises flexible, moisture impermeable support sheet, applicator pads and cover sheet

INVENTOR: MURPHY, B J; SMITH, J A

PATENT-ASSIGNEE:

ASSIGNEE

CREATIVE PROD RESOURCE ASSOC LTD

CODE

CREAN

PRIORITY-DATA: 1992US-0986597 (December 7, 1992), 1993US-0105037 (August 11, 1993)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|--------------|-------------------|----------|-------|------------|
| US 5470323 A | November 28, 1995 | | 028 | A61M035/00 |

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|-------------|------------------|----------------|------------|
| US 5470323A | December 7, 1992 | 1992US-0986597 | Div ex |
| US 5470323A | August 11, 1993 | 1993US-0105037 | |
| US 5470323A | | US 5242433 | Div ex |

INT-CL (IPC): A61 M 35/00

RELATED-ACC-NO: 1993-295091;1993-344815 ;1994-217562 ;1995-199549 ;1996-475721

ABSTRACTED-PUB-NO: US 5470323A

BASIC-ABSTRACT:

Dispensing and applicator system for applying dermatological agents comprises (a) a flexible, moisture impermeable support sheet, (b) applicator pads fixed in a sepd. array to the surface of the sheet, each pad being impregnated with a compsn. comprising a dermatological agent, and (c) a flexible, moisture impermeable cover sheet having its peripheral surface releasably sealed to the opposed peripheral surface of the sheet, to form a compartment contg. the pads, defined by a continuous seal positioned inwardly from the edges of the sheets over a portion of the opposed peripheral surfaces to form two opposed flanges.

The cover sheet (CS) and support sheet (SS) are also releasably sealed together between the pads to divide the compartment into sub-components each contg. one of the pads. The flanges are separable to at least partially release the CS from SS so the pads are exposed.

The CS is scored along lines between the pads so that the CS tears along the scored lines and separates from SS to open a subcompartment while the others remain intact. CS and SS are made of deformable plastic coated foil and are sealed by adhesive or heat sealing. The first dermatological agent (DA) is an anti-acne peroxide pref. benzoyl peroxide and the second DA is an anti-acne antibiotic comprising erythromycin,

tetracyclin, clindamycin or their salts, or the first DA is retinoic acid and the second DA comprises a sunscreen, or the first DA is a corticosteroid and the second DA is an antihistamine, antibiotic, antifungal agent, sunscreen, emollient or film forming polymer, or the first DA is a keratolytic amt. of salicylic acid and the second DA is an anti-acne antibiotic. The pads comprise synthetic or natural fibre or foam esp. a hydrophilic polyurethane. The first and second pads are fixed to the surface of the support sheet.

USE - The system is used for dispensing and applying two or more dermatological agents either simultaneously or sequentially for treatment of e.g. acne, dermatitis, insect bites, diaper rash, poison oak rash, poison sumac rash and rashes or other skin irritation due to cosmetics, detergents or jewellery.

ADVANTAGE - The physical or chemical incompatibility of the substances in the pads is overcome.

CHOSEN-DRAWING: Dwg.1/5

TITLE-TERMS: DISPENSE APPLY SYSTEM APPLY DERMATOLOGY AGENT COMPRISE FLEXIBLE MOIST IMPERMEABLE SUPPORT SHEET APPLY PAD COVER SHEET

DERWENT-CLASS: A96 B07 D21 P34

CPI-CODES: A12-V03A; A12-V03D; B02-C01; B02-E; B02-T; B03-A; B04-C03D; B10-A04; B10-C03; B12-M02D; B14-N17; D08-B09A; D09-E;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

G010 G019 G100 K0 K9 K910 K999 L5 L543 M280

M320 M414 M424 M431 M510 M520 M532 M540 M740 M782

M903 M904 M910 P943 R041

Specific Compounds

00610M

Registry Numbers

0610U

Chemical Indexing M2 *02*

Fragmentation Code

G011 G100 H4 H401 H441 H8 J0 J011 J1 J131

M280 M320 M414 M424 M431 M510 M520 M531 M540 M740

M782 M903 M904 M910 P943 R041

Specific Compounds

00291M

Registry Numbers

0291U

Chemical Indexing M2 *03*

Fragmentation Code

F012 F013 F014 F015 F016 F017 F019 F123 F130 F199

H1 H103 H121 H4 H405 H424 H5 H523 H8 J5

J522 K0 L8 L817 L818 L821 L831 L834 L9 L942

M1 M126 M129 M141 M149 M210 M211 M212 M240 M272

M273 M281 M282 M283 M320 M413 M424 M431 M510 M523

M530 M540 M740 M782 M903 M904 M910 P220 P241 P943

R041 V0 V051

Ring Index

00534

Specific Compounds

00960M

Registry Numbers

0960U

Chemical Indexing M2 *04*

Fragmentation Code

G020 G031 G035 G037 G038 G060 G420 H1 H103 H161
H4 H403 H441 H462 H8 J0 J011 J3 J351 J5
J563 M210 M211 M240 M273 M281 M282 M320 M414 M424
M431 M510 M520 M531 M540 M740 M782 M903 M904 M910
P220 P943 R041 V0 V201

Specific Compounds

00210M

Registry Numbers

0210U

Chemical Indexing M2 *05*

Fragmentation Code

F011 F012 F013 F014 F015 F016 F019 F123 F423 H1
H181 H2 H201 H4 H403 H423 H5 H592 H6 H602
H682 H8 H9 J0 J011 J3 J311 K0 L8 L815
L821 L835 M210 M211 M213 M231 M240 M271 M273 M281
M313 M321 M331 M343 M352 M391 M413 M424 M431 M510
M522 M530 M540 M740 M782 M903 M904 P220 P943 R041
V0 V030

Specific Compounds

06200M

Chemical Indexing M2 *06*

Fragmentation Code

G036 G038 G562 H7 H725 J0 J011 J1 J171 M210
M211 M240 M283 M316 M321 M333 M342 M372 M391 M415
M424 M431 M510 M520 M530 M541 M740 M782 M903 M904
M910 P943 R041 V0 V310

Specific Compounds

01211M

Registry Numbers

1211U

Chemical Indexing M6 *07*

Fragmentation Code

M903 P220 P943 Q263 R041 R210 R319 R760

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0210U; 0291U ; 0610U ; 0960U ; 1211U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; P0000 ; S9999 S1581 Polymer Index [1.2] 018 ; ND01 ; K9416 ; Q9999 Q8037 Q7987 ;
Q9999 Q8015 Q7987 ; K9961 Polymer Index [1.3] 018 ; Q9999 Q7114*R ; B9999 B4035 B3930 B3838 B3747 ;
K9483*R ; B9999 B4864 B4853 B4740 ; N9999 N5721*R ; N9999 N6166 ; K9574 K9483 ; K9676*R ; K9712 K9676 ;
B9999 B4182 B4091 B3838 B3747 ; N9999 N6268*R ; B9999 B5334 B5298 B5276 ; Q9999 Q8571 Q8366 Polymer
Index [2.1] 018 ; P0000 Polymer Index [2.2] 018 ; ND01 ; K9416 ; Q9999 Q8037 Q7987 ; Q9999 Q8015 Q7987 ;
K9961 Polymer Index [2.3] 018 ; Q9999 Q6644*R ; N9999 N5721*R ; K9574 K9483 ; K9676*R ; Q9999 Q8571
Q8366 Polymer Index [3.1] 018 ; P0000 ; S9999 S1070*R ; S9999 S1309*R Polymer Index [3.2] 018 ; P0599 ;
S9999 S1070*R Polymer Index [3.3] 018 ; ND01 ; K9416 ; Q9999 Q8037 Q7987 ; Q9999 Q8015 Q7987 ; K9961
Polymer Index [4.1] 018 ; P1592*R F77 D01 ; S9999 S1309*R Polymer Index [4.2] 018 ; ND01 ; K9416 ; Q9999
Q8037 Q7987 ; Q9999 Q8015 Q7987 ; K9961 Polymer Index [4.3] 018 ; B9999 B3407 B3383 B3372

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-006719

Non-CPI Secondary Accession Numbers: N1996-016553

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L12: Entry 65 of 66

File: DWPI

Oct 24, 2001

DERWENT-ACC-NO: 1994-042842

DERWENT-WEEK: 200236

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TITLE: Mixt. of two polyurethanes for hair shampoo - improves sag resistance and viscosity of compsn.

INVENTOR: AVILES, R G; EISENHART, E K ; HOWARD, P R ; RANDOW, R L

PATENT-ASSIGNEE:

ASSIGNEE

CODE

ROHM & HAAS CO

ROHM

EISENHART E K

EISEI

PRIORITY-DATA: 1993US-0004378 (January 14, 1993)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|--------------------|----------|-------|------------|
| KR 294590 B | October 24, 2001 | | 000 | C08L075/04 |
| US 5281654 A | January 25, 1994 | | 009 | C08L075/04 |
| EP 606749 A1 | July 20, 1994 | E | 014 | C08L075/04 |
| NO 9304697 A | July 15, 1994 | | 000 | C08L075/04 |
| AU 9352612 A | July 21, 1994 | | 000 | C08G018/48 |
| CA 2110855 A | July 15, 1994 | | 000 | C08L075/04 |
| FI 9305749 A | July 15, 1994 | | 000 | C08G018/66 |
| BR 9305235 A | August 2, 1994 | | 000 | C08L075/04 |
| JP 06240133 A | August 30, 1994 | | 011 | C08L075/04 |
| ZA 9309607 A | September 28, 1994 | | 025 | C08G000/00 |
| NZ 250523 A | February 27, 1996 | | 000 | C08L075/04 |
| CN 1091760 A | September 7, 1994 | | 000 | C08L075/04 |
| EP 606749 B1 | March 12, 1997 | E | 013 | C08L075/04 |
| DE 69308803 E | April 17, 1997 | | 000 | C08L075/04 |
| AU 677244 B | April 17, 1997 | | 000 | C08G018/48 |
| ES 2098684 T3 | May 1, 1997 | | 000 | C08L075/04 |
| NO 9705117 A | July 15, 1994 | | 000 | C08G000/00 |
| NO 302240 B1 | February 9, 1998 | | 000 | C08L075/04 |
| TW 338049 A | August 11, 1998 | | 000 | C08G018/48 |
| IL 108141 A | October 30, 1998 | | 000 | C08L075/04 |
| PH 30170 A | January 21, 1997 | | 000 | C08L075/04 |
| RU 2133762 C1 | July 27, 1999 | | 000 | C08L075/08 |
| SG 75761 A1 | October 24, 2000 | | 000 | C08L075/04 |

DESIGNATED-STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE AT BE CH DE DK ES
FR GB GR IE IT LI LU NL PT SE

CITED-DOCUMENTS:US 4079028

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|--------------|-------------------|----------------|----------------|
| KR 294590B | January 13, 1994 | 1994KR-0000530 | |
| KR 294590B | | KR 94018436 | Previous Publ. |
| US 5281654A | January 14, 1993 | 1993US-0004378 | |
| EP 606749A1 | December 17, 1993 | 1993EP-0310262 | |
| NO 9304697A | December 20, 1993 | 1993NO-0004697 | |
| AU 9352612A | December 22, 1993 | 1993AU-0052612 | |
| CA 2110855A | December 7, 1993 | 1993CA-2110855 | |
| FI 9305749A | December 20, 1993 | 1993FI-0005749 | |
| BR 9305235A | December 27, 1993 | 1993BR-0005235 | |
| JP 06240133A | June 25, 1993 | 1993JP-0155521 | |
| ZA 9309607A | December 22, 1993 | 1993ZA-0009607 | |
| NZ 250523A | December 20, 1993 | 1993NZ-0250523 | |
| CN 1091760A | January 10, 1994 | 1994CN-0101071 | |
| EP 606749B1 | December 17, 1993 | 1993EP-0310262 | |
| DE 69308803E | December 17, 1993 | 1993DE-0608803 | |
| DE 69308803E | December 17, 1993 | 1993EP-0310262 | |
| DE 69308803E | | EP 606749 | Based on |
| AU 677244B | December 22, 1993 | 1993AU-0052612 | |
| AU 677244B | | AU 9352612 | Previous Publ. |
| ES 2098684T3 | December 17, 1993 | 1993EP-0310262 | |
| ES 2098684T3 | | EP 606749 | Based on |
| NO 9705117A | December 20, 1993 | 1993NO-0004697 | Div ex |
| NO 9705117A | November 7, 1997 | 1997NO-0005117 | |
| NO 302240B1 | December 20, 1993 | 1993NO-0004697 | |
| NO 302240B1 | | NO 9304697 | Previous Publ. |
| TW 338049A | February 5, 1994 | 1994TW-0100986 | |
| IL 108141A | December 22, 1993 | 1993IL-0108141 | |
| PH 30170A | January 5, 1994 | 1994PH-0047580 | |
| RU 2133762C1 | January 10, 1994 | 1994RU-0000128 | |
| SG 75761A1 | December 17, 1993 | 1996SG-0002353 | |

9705117 A INT-CL (IPC): A61 K 7/00; A61 K 7/02; A61 K 7/06; A61 K 7/075; A61 K 7/08; A61 K 7/155; A61 K 7/32; A61 K 7/42; A61 K 7/48; C08 G 0/00; C08 G 18/10; C08 G 18/28; C08 G 18/32; C08 G 18/48; C08 G 18/66; C08 L 75/04; C08 L 75/08; C09 D 7/00; C09 D 7/12; C09 D 175/04; C11 D 3/37; C08 L 75/04; C08 L 75:04; C08 L 75/04; C08 L 75:04; C08 L 75/04; C08 L 75:04

ABSTRACTED-PUB-NO: EP 606749B
BASIC-ABSTRACT:

A mixt. of polyurethanes comprises a first polyurethane with at least two end gps., each comprising a terminal isocyanate and a polyether; a second polyurethane with at least two end gps., each comprising a terminal isocyanate and a non-function gp.; and a third polyurethane with at least two end gps., one comprising a terminal isocyanate and a polyether and the other a terminal isocyanate and a non-fuctional gp.

An aq. compsn. pref. comprises 0.005-20 wt.% of the polyurethane mixture.

Also claimed is a mixt. of polyurethanes comprises a polyurethane contg. two end gps., one of which comprises a terminal isocyanate and a polyether and the other of which comprises a terminal isocyanate and a non-functional gp.

Pref., the polyether is an alkyl or aryl polyether alcohol, esp. polyethylene glycol methyl ether or polypropylene glycol methyl ether. The non-functional gp. is derived from 1-octa-decanol.

The three polyurethanes are present in amts. of 8.3-25, 25-75 and 16.7-50 mole %, esp. 12.5-25, 25-62.5 and 25-90 mole %.

USE - Addn. of the polyurethane mixture to an aq. compsn. e.g. at a concn. of 0.005-20 wt. %, improves the sag resistance and increases the viscosity of the compsn. Thus, the mixtures are particularly of use in latex coating compsns., esp. paints, and may also be used in hair conditioners, hair shampoos, astringents, depilatory compsns., sunscreens, facial make-ups, hand creams and lotions and cleaner compsns., among others.

ABSTRACTED-PUB-NO:

US 5281654A

EQUIVALENT-ABSTRACTS:

A mixture of polyurethanes comprising a first polyurethane with at least two end groups, where each end group is a polyether end group obtained by reacting a terminal NCO group of the polyurethane with a polyether monoalcohol having one terminal OH group; a second polyurethane with at least two end groups, where each end group is a non-functional end group obtained by reacting a terminal NCO group of the polyurethane and a reactant having only one group containing a NCO reactive hydrogen, the reactant being selected from monofunctional C1-C40 alkyl alcohols, monofunctional phenolics, monofunctional aliphatic, cycloaliphatic or aromatic amines, monofunctional C8-C22 alkyl carboxylic acids, monofunctional aromatic acids, monofunctional alkylaromatic acids, monofunctional allicyclic acids, monofunctional alkoxypropylacids and monofunctional C1-C30 mercaptans, and a third polyurethane with at least two end groups, where one end group is the above polyether end group and one other end group is the above non-functional end group.

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

TITLE-TERMS: MIXTURE TWO HAIR SHAMPOO IMPROVE SAG RESISTANCE VISCOSITY COMPOSITION

DERWENT-CLASS: A25 A82 A96 A97 D21 D25 G02

CPI-CODES: A05-G01B; A05-G03; A07-A03C; A08-M06; A12-B01A; D08-B; D11-D; G02-A03;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0002 0004 0013 0034 0037 0206 0218 0224 0226 0228 0231 1279 1294 1297
1588 1590 1594 1602 1608 1758 1774 2002 2014 2064 2071 2282 2283 2504 2701 2707 2718
2761 2794 3266

Multipunch Codes: 017 02& 028 034 036 038 040 075 147 150 174 198 209 212 231 240 262
27& 273 297 31- 311 336 339 340 44& 546 603 644 678 720 728 017 028 04- 147 198 200
231 240 262 297 31- 336 56& 642 688 720 017 03& 339 340 397 436 44& 477 57- 656

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-019209

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File: DWPI

Oct 10, 1990

DERWENT-ACC-NO: 1990-336326

DERWENT-WEEK: 199045

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TITLE: Water-based nail varnish - contg. polyurethane and thickener

INVENTOR: KOCH, D; RASSEK, R

PATENT-ASSIGNEE:

ASSIGNEE

CODE

ROTRING-W RIEPE KG

RIEH

ROTRING INT GMBH & CO KG

RIEH

COSMOLAB INCGMBH & CO KG

COSMN

PRIORITY-DATA: 1989DE-3911262 (April 7, 1989)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|-------------------|----------|-------|-------------|
| EP 391322 A | October 10, 1990 | | 000 | |
| DE 3911262 A | October 11, 1990 | | 000 | |
| DE 3911262 C | November 7, 1991 | | 000 | |
| EP 391322 B1 | September 8, 1993 | G | 006 | A61K007/043 |
| ES 2045613 T3 | January 16, 1994 | | 000 | A61K007/043 |
| US 5120529 A | June 9, 1992 | | 004 | A61K007/043 |

DESIGNATED-STATES: BE ES FR GB IT BE ES FR GB IT

CITED-DOCUMENTS: A3...9138; DE 2757773 ; EP 143480 ; EP 170000 ; EP 819 ; NoSR.Pub ; US 3422185

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|--------------|---------------|----------------|------------|
| EP 391322A | April 3, 1990 | 1990EP-0106315 | |
| DE 3911262A | April 7, 1989 | 1989DE-3911262 | |
| EP 391322B1 | April 3, 1990 | 1990EP-0106315 | |
| ES 2045613T3 | April 3, 1990 | 1990EP-0106315 | |
| ES 2045613T3 | | EP 391322 | Based on |

INT-CL (IPC): A61K 7/04; A61K 7/043

ABSTRACTED-PUB-NO: DE 3911262C

BASIC-ABSTRACT:

Water-based nail varnish compsns. contains 12-50 wt.% of a polyurethane (I) in dispersed form, and 0.1-1 wt.% of a thickener (II).

(I) is a homo- or copolyurethane, esp. a polyurethane-acrylate copolymer. (II) is an acrylate polymer or a hydrophilic montmorillonite. The compsns. may also contain (a) 2-15% of a water-soluble resin, esp. an acrylate-styrene copolymer, (b) a colourant,

(c) a wetting agent, (d) 0.1-5% of a drying accelerator, esp. 2-butoxyethyl acetate (BEA), ETOH or i-PrOH, (e) an anti-scratch agent, esp. a modified silicone, (f) a suspension stabiliser, esp. a Ca silicate hydrate, (g) proteins, vitamins and sunscreen agents, and (h) preservatives.

ADVANTAGE - The compsns. avoid nail damage and health hazards associated with organic solvents and have good functional properties.

ABSTRACTED-PUB-NO:

EP 391322A

EQUIVALENT-ABSTRACTS:

An aq. nail lacquer consists of, wt.%, A) as known as binder 12-50 dispersed polyurethane (co)polymer, 0.1-1 thickener, water and opt. other additives and B) 2-15 acrylate/styrene copolymer of mol.wt. above 200,000 and acid No 50-65. A polyurethane/acrylate copolymer is pref. used. The thickener is an acrylate or a hydrophilic montmorillonite. The lacquer contains as drying accelerator for the binder a) 0.1-5 sparingly volatile glycol ester, esp. butyl glycol acetate or b) 0.1-5 of a volatile alcohol, esp. ETOH and/or 2-propanol. The lacquer also contains usual additives, esp. a modified silicone to improve scratch resistance and a Ca silicate hydrate to inhibit sedimentation. ADVANTAGE - The lacquer has improved properties, esp. scratch resistance.

(4pp)

EP 391322B

An aqueous nail varnish, consisting of 12 to 50% by weight of a polyurethane and (or) of a polyurethane copolymer in dispersed form as a binder, 0.1 to 1% by weight thickener and water and also optionally further additives, characterised in that it contains 2 to 15% by weight acrylate-styrene copolymer having a molecular weight above 200,000 and an acid number in the range of 50 to 65.

US 5120529A

Water-based nail polish comprises (a) 12-50 wt.% of polyurethane and/or its copolymer in dispersed form as a binder; (b) 0.1-1 wt.% of thickener; (c) 2-15 wt.% of acrylate-styrene copolymer of mol. wt. above 200,000 and acid number 50-65; and (d) water to 100 wt.%. Cpd. (b) comprises guar gum, gum arabic, cellulose (deriv), silicate, clay, or synthetic polymer. ADVANTAGE - Organic solvents are avoided. Prod. has increased hardness and adhesion of the nail.

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0 Dwg.0/0

TITLE-TERMS: WATER BASED NAIL VARNISH CONTAIN POLYURETHANE THICKEN

DERWENT-CLASS: A18 A25 A82 D21 G02

CPI-CODES: A05-G01E; A12-V04C; D08-B02; G02-A05;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0271U; 1550U ; 5034U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0004 0037 0205 0218 0222 0224 3000 0060 0231 0306 0411 0486 0487 0488
0493 0494 0495 1294 1295 1306 1986 2208 2237 2276 2279 2282 2319 2321 2504 2575 2597
2622 2675 2761

Multipunch Codes: 014 034 038 04- 040 05- 055 056 06- 074 075 076 081 11& 15- 150 152
18- 229 256 27& 305 311 318 324 327 329 339 340 342 364 365 38- 397 436 44& 525 532
537 541 551 560 561 62- 688 725 728

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1990-145913

Welcome to STN International! Enter x:x

LOGINID:sssptal6191xw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 09 JAPIO to be reloaded August 25, 2002
NEWS 20 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 21 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 22 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:54:40 ON 23 AUG 2002

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 09:54:44 ON 23 AUG 2002

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STRUCTURE FILE UPDATES: 21 AUG 2002 HIGHEST RN 444646-89-3

DICTIONARY FILE UPDATES: 21 AUG 2002 HIGHEST RN 444646-89-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STN Note 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s polyurethane/cn

L1 0 POLYURETHANE/CN

=> e polyurethane/bi

E1 8 POLYURETHAN/BI

E2 8 POLYURETHANASE/BI

E3 176 --> POLYURETHANE/BI

E4 14 POLYURETHANES/BI

E5 1 POLYURETHENE/BI

E6 5 POLYUREX/BI

E7 1 POLYURIDINE/BI

E8 9 POLYURIDYL/BI

E9 3 POLYURIDYLATE/BI

E10 7 POLYURIDYLIC/BI

E11 1 POLYURIDYLIC:POLYCYTIDYLIC/BI

E12 2 POLYURIN/BI

=> s e3

L2 176 POLYURETHANE/BI

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\l5.str

L3 STRUCTURE UPLOADED

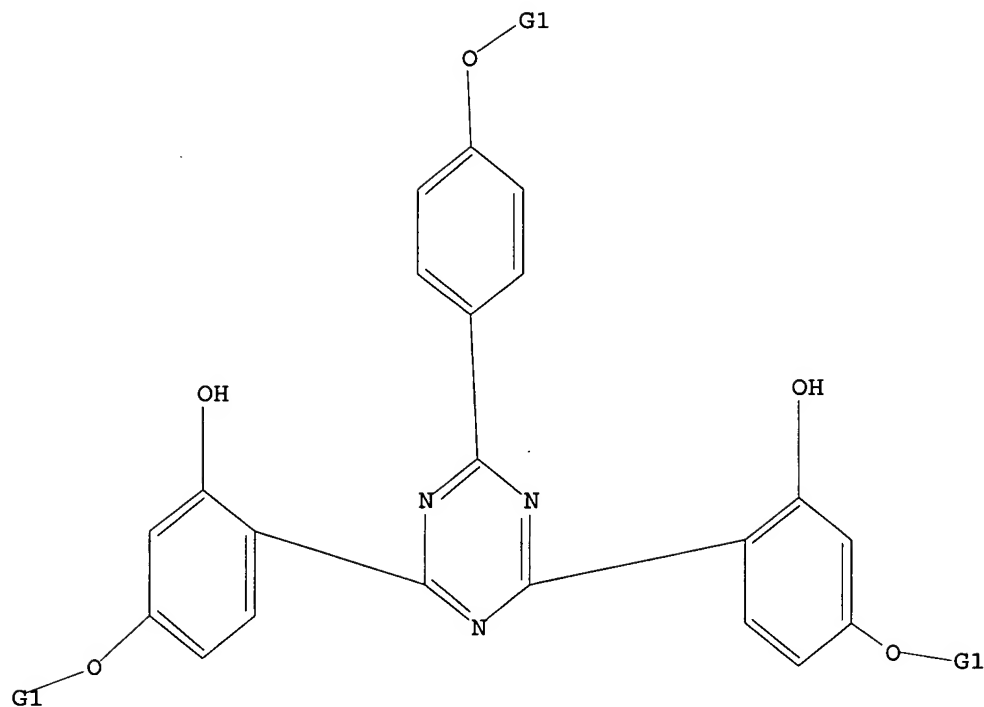
=> que L3

L4 QUE L3

=> d

L4 HAS NO ANSWERS

L3 STR



G1 H,Ak

Structure attributes must be viewed using STN Express query preparation.

L4 QUE L3

=> s l4

SAMPLE SEARCH INITIATED 09:55:40 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 78 TO ITERATE

100.0% PROCESSED 78 ITERATIONS

11 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1031 TO 2089

PROJECTED ANSWERS: 22 TO 418

L5 11 SEA SSS SAM L3

=> s l4 full

FULL SEARCH INITIATED 09:55:44 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1358 TO ITERATE

100.0% PROCESSED 1358 ITERATIONS

246 ANSWERS

SEARCH TIME: 00.00.01

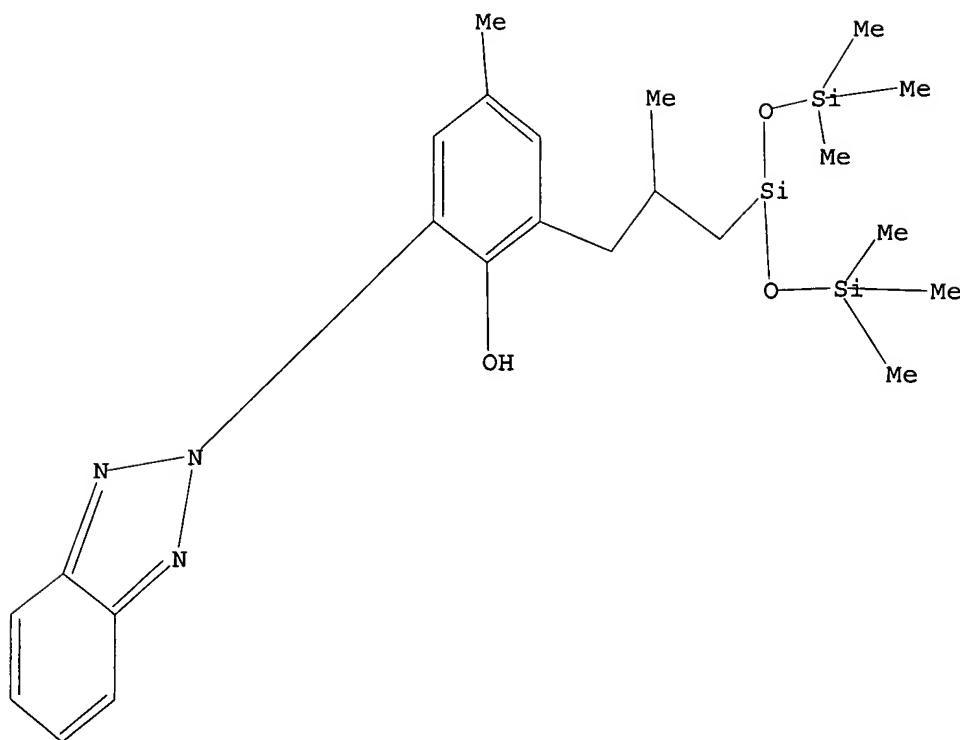
L6 246 SEA SSS FUL L3
 =>Testing the current file.... screen
 ENTER SCREEN EXPRESSION OR (END):end

 => screen 964
 L7 SCREEN CREATED

 =>
 Uploading C:\STNEXP4\QUERIES\l4.str
 L8 STRUCTURE UPLOADED

 => que L8 AND L7
 L9 QUE L8 AND L7

 => d
 L9 HAS NO ANSWERS
 L7 SCR 964
 L8 STR



Structure attributes must be viewed using STN Express query preparation.
 L9 QUE L8 AND L7

=> s 19

SAMPLE SEARCH INITIATED 09:56:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1 TO 80
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L8 AND L7

=> s l9 full
FULL SEARCH INITIATED 09:56:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 83 TO ITERATE

100.0% PROCESSED 83 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L11 2 SEA SSS FUL L8 AND L7

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 964 AND 2076

L12 SCREEN CREATED

=> screen 1821 OR 1822 OR 1823 OR 1824

L13 SCREEN CREATED

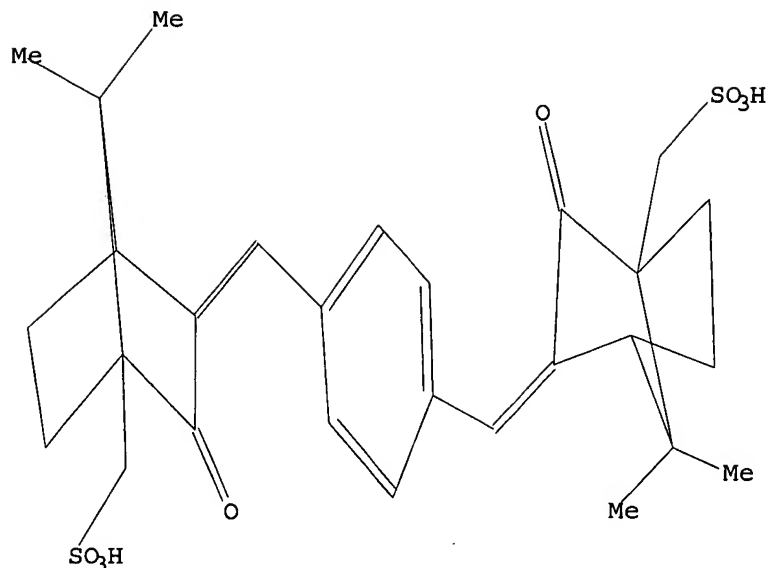
=>
Uploading C:\STNEXP4\QUERIES\l3.str

L14 STRUCTURE UPLOADED

=> que L14 AND L12 AND L13

L15 QUE L14 AND L12 AND L13

=> d
L15 HAS NO ANSWERS
L12 SCR 964 AND 2076
L13 SCR 1821 OR 1822 OR 1823 OR 1824
L14 , STR



Structure attributes must be viewed using STN Express query preparation.
 L15 QUE L14 AND L12 AND L13

=> s l15
 SAMPLE SEARCH INITIATED 09:56:39 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 5 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 5 TO 234
 PROJECTED ANSWERS: 5 TO 234

L16 5 SEA SSS SAM L14 AND L12 AND L13

=> s l15 full
 FULL SEARCH INITIATED 09:56:43 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 29 TO ITERATE

100.0% PROCESSED 29 ITERATIONS 23 ANSWERS
 SEARCH TIME: 00.00.01

L17 23 SEA SSS FUL L14 AND L12 AND L13

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2076

L18 SCREEN CREATED

=>

Uploading C:\STNEXP4\QUERIES\l2.str

L19 STRUCTURE UPLOADED

=> que L19 AND L18

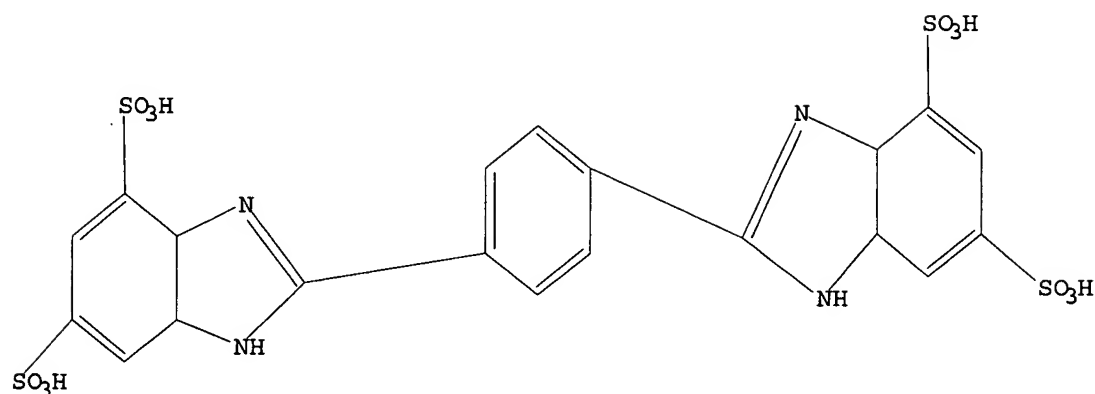
L20 QUE L19 AND L18

=> d.l20

L20 HAS NO ANSWERS

L18 SCR 2076

L19 STR



Structure attributes must be viewed using STN Express query preparation.

L20 QUE L19 AND L18

=> s l20

SAMPLE SEARCH INITIATED 09:57:08 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L21 0 SEA SSS SAM L19 AND L18

=> s l20 full

FULL SEARCH INITIATED 09:57:13 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 24 TO ITERATE

100.0% PROCESSED 24 ITERATIONS

13 ANSWERS

SEARCH TIME: 00.00.01

L22 13 SEA SSS FUL L19 AND L18

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 966 AND 1006

L23 SCREEN CREATED

=>

Uploading C:\STNEXP4\QUERIES\l1.str

L24 STRUCTURE UPLOADED

=> que L24 AND L23

L25 QUE L24 AND L23

=> d l25

L25 HAS NO ANSWERS

L23 SCR 966 AND 1006

L24 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L25 QUE L24 AND L23

=> s l25

SAMPLE SEARCH INITIATED 09:57:52 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 2 TO 124

PROJECTED ANSWERS: 0 TO 0

L26 0 SEA SSS SAM L24 AND L23

=> s l25 full

FULL SEARCH INITIATED 09:57:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 34 TO ITERATE

100.0% PROCESSED 34 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L27 1 SEA SSS FUL L24 AND L23

=> fil caplus uspatfull biosis embase medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

709.78

709.99

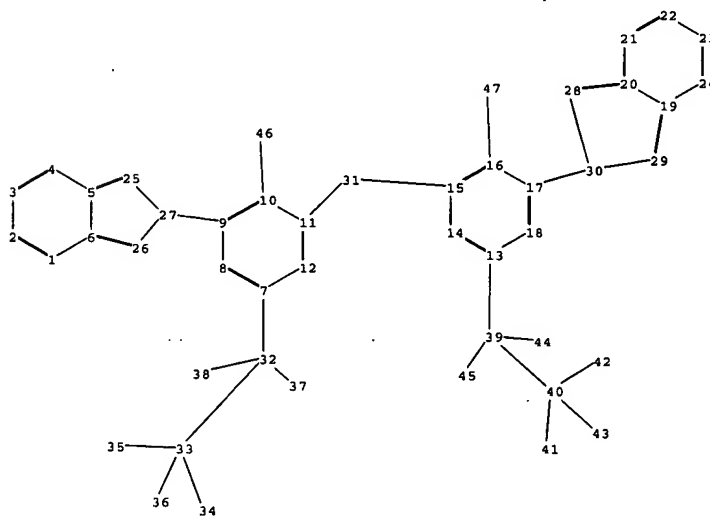
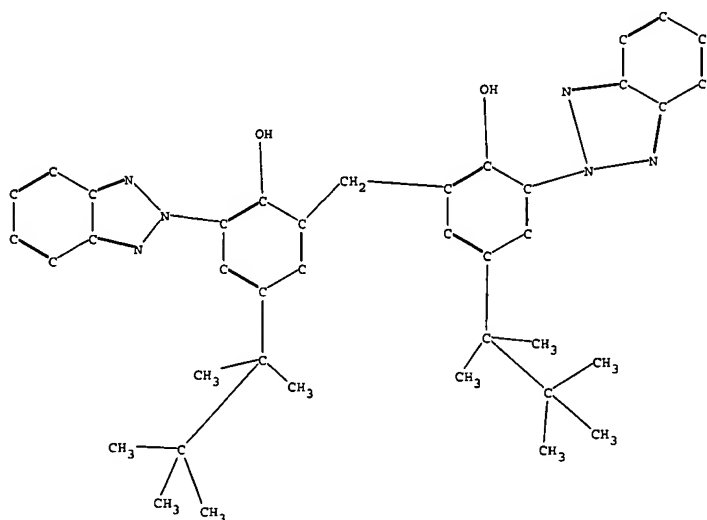
FILE 'CAPLUS' ENTERED AT 09:58:16 ON 23 AUG 2002

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chain nodes :

31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30

chain bonds :

7-32 9-27 10-46 11-31 13-39 15-31 16-47 17-30 32-33 32-37 32-38 33-34 33-35
33-36 39-40 39-44 39-45 40-41 40-42 40-43

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-25 6-26 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18 19-20 19-24 19-29 20-21 20-28 21-22 22-23 23-24 25-27
26-27 28-30 29-30

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-25 6-26 9-27 10-46 16-47 17-30 19-20 19-24 19-29
20-21 20-28 21-22 22-23 23-24 25-27 26-27 28-30 29-30

exact bonds :

7-32 11-31 13-39 15-31 32-33 32-37 32-38 33-34 33-35 33-36 39-40 39-44 39-45
40-41 40-42 40-43

normalized bonds :

7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16 16-17 17-18

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS
32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS
41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:CLASS

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FILE 'MEDLINE' ENTERED AT 09:58:16 ON 23 AUG 2002

=> d his

(FILE 'HOME' ENTERED AT 09:54:40 ON 23 AUG 2002)

FILE 'REGISTRY' ENTERED AT 09:54:44 ON 23 AUG 2002

L1 0 S POLYURETHANE/CN
 E POLYURETHANE/BI
L2 176 S E3
L3 STRUCTURE UPLOADED
L4 QUE L3
L5 11 S L4
L6 246 S L4 FULL
L7 SCREEN 964
L8 STRUCTURE UPLOADED
L9 QUE L8 AND L7
L10 0 S L9
L11 2 S L9 FULL
L12 SCREEN 964 AND 2076
L13 SCREEN 1821 OR 1822 OR 1823 OR 1824
L14 STRUCTURE UPLOADED
L15 QUE L14 AND L12 AND L13
L16 5 S L15
L17 23 S L15 FULL
L18 SCREEN 2076
L19 STRUCTURE UPLOADED
L20 QUE L19 AND L18
L21 0 S L20
L22 13 S L20 FULL
L23 SCREEN 966 AND 1006
L24 STRUCTURE UPLOADED
L25 QUE L24 AND L23
L26 0 S L25
L27 1 S L25 FULL

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 09:58:16 ON
23 AUG 2002

=> s l2 and (l6 or l11 or l17 or l22 or l27)
L28 0 L2 AND (L6 OR L11 OR L17 OR L22 OR L27)

=> fil reg

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 40.81 | 750.80 |

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 10:00:35 ON 23 AUG 2002
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DICTIONARY FILE UPDATES: 21 AUG 2002 HIGHEST RN 444646-89-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 966 AND 1006

L29 SCREEN CREATED

=>

Uploading C:\STNEXP4\QUERIES\l1.str

L30 STRUCTURE UPLOADED

=> que L30 AND L29

L31 QUE L30 AND L29

=> s l31 full

FULL SEARCH INITIATED 10:01:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 34 TO ITERATE

100.0% PROCESSED 34 ITERATIONS 23 ANSWERS
SEARCH TIME: 00.00.01

L32 23 SEA SSS FUL L30 AND L29

=> fil caplus uspatfull biosis embase medline
COST IN U.S. DOLLARS

| | SINCE FILE | TOTAL |
|---------------------|------------|---------|
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 140.28 | 891.08 |

FILE 'CAPLUS' ENTERED AT 10:01:09 ON 23 AUG 2002
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FILE 'MEDLINE' ENTERED AT 10:01:09 ON 23 AUG 2002

=> s 12 and (132)
L33 2 L2 AND (L32)

=> dup rem 133
PROCESSING COMPLETED FOR L33
L34 2 DUP REM L33 (0 DUPLICATES REMOVED)

=> d ibib abs hitstr

L34 ANSWER 1 OF 2 USPATFULL

ACCESSION NUMBER: 87:52220 USPATFULL
TITLE: Stabilizer compositions for synthetic resins imparting improved light stability
INVENTOR(S): Kubota, Naohiro, Ageo, Japan
Nishimura, Atsushi, Saitama, Japan
PATENT ASSIGNEE(S): Adeka Argus Chemical Co., Ltd., Tokyo, Japan (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 4681905 | | 19870721 |
| APPLICATION INFO.: | US 1985-795372 | | 19851106 (6) |

| | NUMBER | DATE |
|-----------------------|-------------------|----------|
| PRIORITY INFORMATION: | JP 1984-234373 | 19841107 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Kight, John | |
| ASSISTANT EXAMINER: | Morgan, Kriellion | |
| NUMBER OF CLAIMS: | 36 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 1320 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilizer compositions for synthetic resins are provided, improving the

resistance of the resin to deterioration when exposed to ultraviolet light, comprising a 2,2,6,6-tetramethylpiperidyl compound and an alkylidene-bis-(benzotriazolyl phenol) having the formula: ##STR1## wherein: R.sub.1 is hydrogen or alkyl having from one to about twelve carbon atoms;

R.sub.2 is alkyl having from one to about twelve carbon atoms or arylalkyl having from seven to about sixteen carbon atoms;

X is selected from the group consisting of hydrogen, halogen, alkyl having from one to about twelve carbon atoms, aryl having from six to ten carbon atoms, arylalkyl having from seven to about sixteen carbon atoms, alkoxy having from one to about twelve carbon atoms, aryloxy having from six to ten carbon atoms; and arylalkoxy having from seven to

about sixteen carbon atoms; as well as synthetic resin compositions containing such stabilizers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 69494-23-1

(light stabilizers for, benzotriazolylphenol and piperidine derivs. as)

RN 69494-23-1 USPATFULL
CN U 100 (polyurethane) (9CI) (CA INDEX NAME)

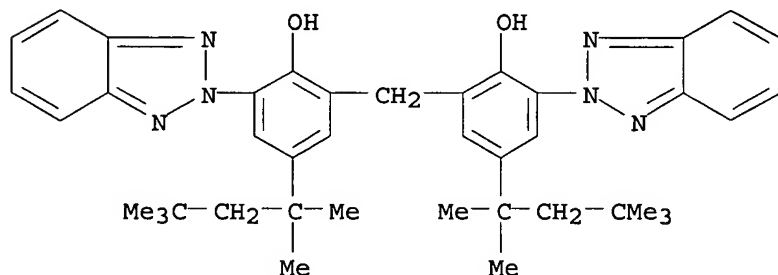
STRUCTURE DIAGRAM IS NOT AVAILABLE

IT 103597-45-1P

(prepn. and light stabilizing activity of, in polymers)

RN 103597-45-1 USPATFULL

CN Phenol, 2,2'-methylenebis[6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



=> d 2 ibib abs hitstr

L34 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1986:534874 CAPLUS

DOCUMENT NUMBER: 105:134874

TITLE: Stabilizer compositions for synthetic resins
imparting

improved light stability

INVENTOR(S): Kubota, Naohiro; Nishimura, Atsushi

PATENT ASSIGNEE(S): Adeka Argus Chemical Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 64 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

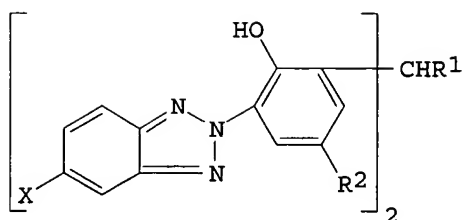
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------|------|----------|-----------------|----------|
| EP 180992 | A2 | 19860514 | EP 1985-114202 | 19851107 |
| EP 180992 | A3 | 19871021 | | |
| EP 180992 | B1 | 19900711 | | |
| R: BE, CH, DE, FR, GB, LI, NL | | | | |
| JP 61113649 | A2 | 19860531 | JP 1984-234373 | 19841107 |
| JP 04081625 | B4 | 19921224 | | |
| US 4681905 | A | 19870721 | US 1985-795372 | 19851106 |
| PRIORITY APPLN. INFO.: | | | JP 1984-234373 | 19841107 |

GI



I

AB The title compns. comprise a compd. contg. 2,2,6,6-tetramethylpiperidyl group and an alkylidenebis(benzotriazolylphenol) I (R1 = H, alkyl; R2 = alkyl, arylakyl; X = H, halo, alkyl, aryl, etc.). Thus, a mixt. of PVC 100, dioctyl phthalate 48, epoxidized soybean oil 2, tris(nonylphenyl) phosphite 0.2, Ca stearate 1.0, Zn stearate 0.1, 2,2'-methylenebis[4-(1,1,3,3-tetramethylbutyl)-6-benzotriazolylphenol] (II) 0.1, and bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (III) 0.1

part

exhibited degrdn. after 640 h in UV light, vs. 200 without II and III.

IT 69494-23-1

RL: USES (Uses)

(light stabilizers for, benzotriazolylphenol and piperidine derivs.

as)

RN 69494-23-1 CAPLUS

CN U 100 (polyurethane) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

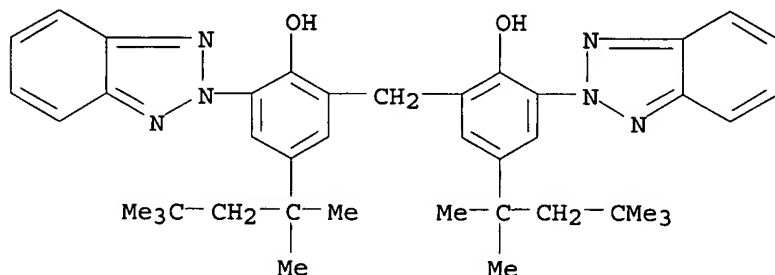
IT 103597-45-1P

RL: PREP (Preparation)

(prepn. and light stabilizing activity of, in polymers)

RN 103597-45-1 CAPLUS

CN Phenol, 2,2'-methylenebis[6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

29.15

920.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.62

-0.62

STN INTERNATIONAL LOGOFF AT 10:02:04 ON 23 AUG 2002

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1208DXJ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 09 JAPIO to be reloaded August 25, 2002
NEWS 20 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 21 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 22 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:10:08 ON 23 AUG 2002

=> fil reg

09687730

6391290
6433023
6083470
20010016082
6274166

W0
93/21904

59~63

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 09:10:21 ON 23 AUG 2002
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STRUCTURE FILE UPDATES: 21 AUG 2002 HIGHEST RN 444646-89-3
DICTIONARY FILE UPDATES: 21 AUG 2002 HIGHEST RN 444646-89-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STN Note 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e polyurethane

| | | |
|-----|---------|-------------------------------|
| E1 | 8 | POLYURETHAN/BI |
| E2 | 8 | POLYURETHANASE/BI |
| E3 | 176 --> | POLYURETHANE/BI |
| E4 | 14 | POLYURETHANES/BI |
| E5 | 1 | POLYURETHENE/BI |
| E6 | 5 | POLYUREX/BI |
| E7 | 1 | POLYURIDINE/BI |
| E8 | 9 | POLYURIDYL/BI |
| E9 | 3 | POLYURIDYLATE/BI |
| E10 | 7 | POLYURIDYLIC/BI |
| E11 | 1 | POLYURIDYLIC:POLYCYTIDYLIC/BI |
| E12 | 2 | POLYURIN/BI |

=> s e3

L1 176 POLYURETHANE/BI

=>

Uploading lauren3.str

L2 STRUCTURE UPLOADED

=> d

L2 HAS NO ANSWERS

L2 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l2

SAMPLE SEARCH INITIATED 09:11:10 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
PROJECTED ITERATIONS: 5 TO 234
PROJECTED ANSWERS: 5 TO 234

L3 5 SEA SSS SAM L2

=> s l2 full

FULL SEARCH INITIATED 09:11:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 29 TO ITERATE

100.0% PROCESSED 29 ITERATIONS
SEARCH TIME: 00.00.01

23 ANSWERS

L4 23 SEA SSS FUL L2

=>

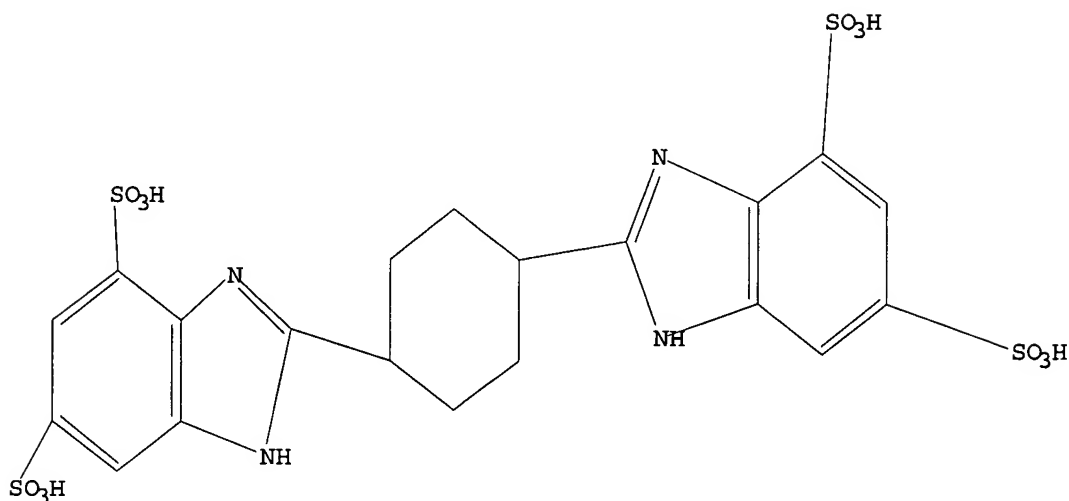
Uploading lauren2.str

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l5

SAMPLE SEARCH INITIATED 09:11:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s l5 full

FULL SEARCH INITIATED 09:11:59 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 24 TO ITERATE

100.0% PROCESSED 24 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.01

L7 13 SEA SSS FUL L5

=>

Uploading lauren1.str

L8 STRUCTURE UPLOADED

=> d

L8 HAS NO ANSWERS

L8 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l8

SAMPLE SEARCH INITIATED 09:13:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s l8 full

FULL SEARCH INITIATED 09:13:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 37 TO ITERATE

100.0% PROCESSED 37 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L10 0 SEA SSS FUL L8

=>

Uploading lauren1.str

L11 STRUCTURE UPLOADED

=> d

L11 HAS NO ANSWERS

L11 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l11

SAMPLE SEARCH INITIATED 09:15:01 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 2 TO 124

L12 2 SEA SSS SAM L11

=> s l11 full
FULL SEARCH INITIATED 09:15:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 37 TO ITERATE

100.0% PROCESSED 37 ITERATIONS 23 ANSWERS
SEARCH TIME: 00.00.01

L13 23 SEA SSS FUL L11

=> fil .search
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 566.64 566.85

FILE 'MEDLINE' ENTERED AT 09:15:14 ON 23 AUG 2002

FILE 'CAPLUS' ENTERED AT 09:15:14 ON 23 AUG 2002
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FILE 'USPATFULL' ENTERED AT 09:15:14 ON 23 AUG 2002
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=> d his

(FILE 'HOME' ENTERED AT 09:10:08 ON 23 AUG 2002)

FILE 'REGISTRY' ENTERED AT 09:10:21 ON 23 AUG 2002

E POLYURETHANE

L1 176 S E3
L2 STRUCTURE UPLOADED
L3 5 S L2
L4 23 S L2 FULL
L5 STRUCTURE UPLOADED
L6 0 S L5
L7 13 S L5 FULL
L8 STRUCTURE UPLOADED
L9 0 S L8
L10 0 S L8 FULL
L11 STRUCTURE UPLOADED
L12 2 S L11
L13 23 S L11 FULL

FILE 'MEDLINE, CAPLUS, BIOSIS, USPATFULL, EMBASE' ENTERED AT 09:15:14 ON
23 AUG 2002

=> s l1 and (l4 or l7 or l13)

L14 2 L1 AND (L4 OR L7 OR L13)

=> dup rem l14

PROCESSING COMPLETED FOR L14

L15 2 DUP REM L14 (0 DUPLICATES REMOVED)

=> d ibib ab hitstr 1-

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L15 ANSWER 1 OF 2 USPATFULL
 ACCESSION NUMBER: 87:52220 USPATFULL
 TITLE: Improved light stability
 INVENTOR(S): Kubota, Naohiro, Ageo, Japan
 Nishimura, Atsushi, Saitama, Japan
 PATENT ASSIGNEE(S): Adeka Argus Chemical Co., Ltd., Tokyo, Japan (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 4681905 | | 19870721 |
| APPLICATION INFO.: | US 1985-795372 | | 19851106 (6) |

| | NUMBER | DATE |
|-----------------------|-------------------|----------|
| PRIORITY INFORMATION: | JP 1984-234373 | 19841107 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Kight, John | |
| ASSISTANT EXAMINER: | Morgan, Kriellion | |
| NUMBER OF CLAIMS: | 36 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 1320 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilizer compositions for synthetic resins are provided, improving the

resistance of the resin to deterioration when exposed to ultraviolet light, comprising a 2,2,6,6-tetramethylpiperidyl compound and an alkylidene-bis-(benzotriazolyl phenol) having the formula: ##STR1## wherein: R.sub.1 is hydrogen or alkyl having from one to about twelve carbon atoms;

R.sub.2 is alkyl having from one to about twelve carbon atoms or arylalkyl having from seven to about sixteen carbon atoms;

X is selected from the group consisting of hydrogen, halogen, alkyl having from one to about twelve carbon atoms, aryl having from six to ten carbon atoms, arylalkyl having from seven to about sixteen carbon atoms, alkoxy having from one to about twelve carbon atoms, aryloxy having from six to ten carbon atoms; and arylalkoxy having from seven

to about sixteen carbon atoms; as well as synthetic resin compositions containing such stabilizers.

IT 69494-23-1
 (light stabilizers for, benzotriazolylphenol and piperidine deriva.

aa)
 RN 69494-23-1 USPATFULL
 CN U 100 (polyurethane) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

IT 103597-45-1P
 (prepn. and light stabilizing activity of, in polymers)

RN 103597-45-1 USPATFULL
 CN Phenol, 2,2'-methylenebis[6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)

L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1986:534874 CAPLUS
 DOCUMENT NUMBER: 105:134874
 TITLE: Stabilizer compositions for synthetic resins imparting improved light stability
 INVENTOR(S): Kubota, Naohiro; Nishimura, Atsushi
 PATENT ASSIGNEE(S): Adeka Argus Chemical Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 64 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------|------|----------|-----------------|----------|
| EP 180992 | A2 | 19860514 | EP 1985-114202 | 19851107 |
| EP 180992 | A3 | 19871021 | | |
| EP 180992 | B1 | 19900711 | | |
| R: BE, CH, DE, FR, GB, LI, NL | | | | |
| JP 61113649 | A2 | 19860531 | JP 1984-234373 | 19841107 |
| JP 04081625 | B4 | 19921224 | | |
| US 4681905 | A | 19870721 | US 1985-795372 | 19851106 |

PRIORITY APPLN. INFO.: JP 1984-234373 19841107
 AB The title compns. comprise a compd. contg. gtoreq.1 2,2,6,6-tetramethylpiperidyl group and an alkylidenebis(benzotriazolylphenol) I (R1 = H, alkyl; R2 = alkyl, arylalkyl; X = H, halo, alkyl, aryl, etc.). Thus, a mixt. of PVC 100, dioctyl phthalate 48, epoxidized soybean oil 2, tris(nonylphenyl) phosphite 0.2, Ca stearate 1.0, Zn stearate 0.1, 2,2'-methylenebis[4-(1,1,3,3-tetramethylbutyl)-6-benzotriazolylphenol] (II) 0.1, and bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (III) 0.1

part exhibited degrdn. after 640 h in UV light, vs. 200 without II and III.

IT 69494-23-1
 RL: USES (Uses)
 (light stabilizers for, benzotriazolylphenol and piperidine deriva.

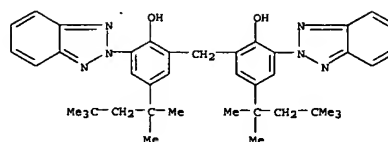
aa)
 RN 69494-23-1 CAPLUS
 CN U 100 (polyurethane) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

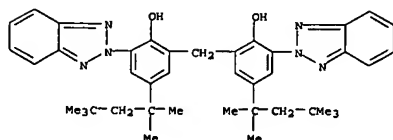
IT 103597-45-1P
 RL: PREP (Preparation)
 (prepn. and light stabilizing activity of, in polymers)

RN 103597-45-1 CAPLUS
 CN Phenol, 2,2'-methylenebis[6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)

L15 ANSWER 1 OF 2 USPATFULL (Continued)



L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS (Continued)



10/017,157

Page 8

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

32.03

598.88

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

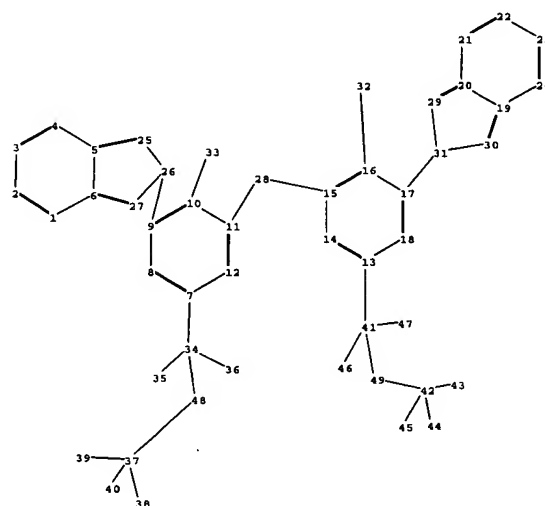
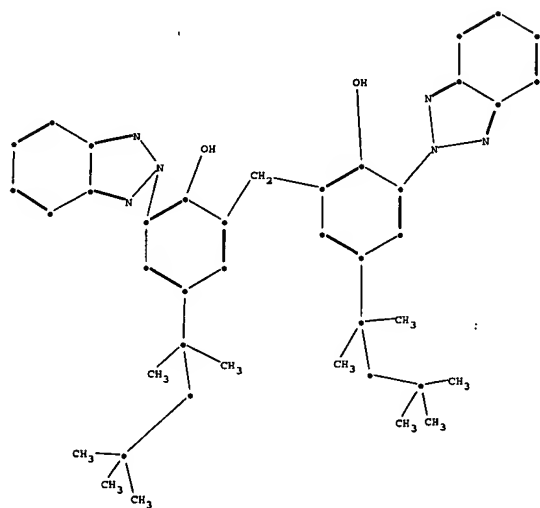
SESSION

CA SUBSCRIBER PRICE

-0.62

-0.62

STN INTERNATIONAL LOGOFF AT 09:16:46 ON 23 AUG 2002



chain nodes :

28 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 29 30 31

chain bonds :

7-34 9-26 10-33 11-28 13-41 15-28 16-32 17-31 34-35 34-36 34-48 37-40 37-38
37-39 37-48 41-47 41-46 41-49 42-45 42-43 42-44 42-49

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-25 6-27 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18 19-20 19-24 19-30 20-21 20-29 21-22 22-23 23-24 25-26
26-27 29-31 30-31

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-25 6-27 9-26 10-33 16-32 17-31 19-20 19-24 19-30
20-21 20-29 21-22 22-23 23-24 25-26 26-27 29-31 30-31

exact bonds :

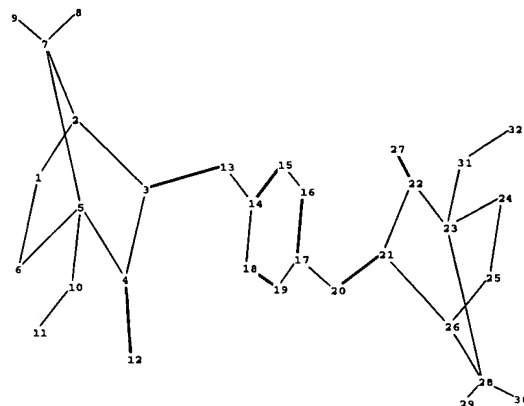
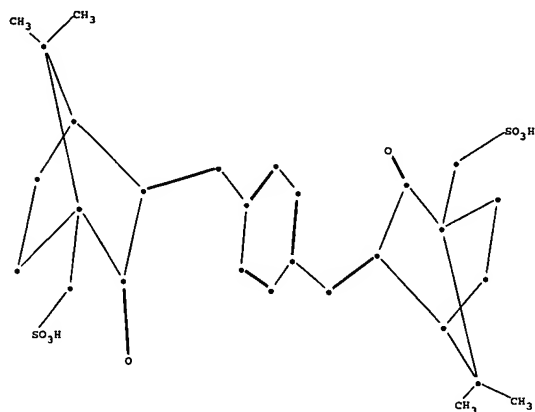
7-34 11-28 13-41 15-28 34-35 34-36 34-48 37-40 37-38 37-39 37-48 41-47 41-46
41-49 42-45 42-43 42-44 42-49

normalized bonds :

7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16 16-17 17-18

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:CLASS 29:Atom 30:Atom 31:Atom
32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS
41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS



chain nodes :

8 9 10 11 12 13 20 27 29 30 31 32

ring nodes :

1 2 3 4 5 6 7 14 15 16 17 18 19 21 22 23 24 25 26 28

chain bonds :

3-13 4-12 5-10 7-8 7-9 10-11 13-14 17-20 20-21 22-27 23-31 28-29 28-30 31-32

ring bonds :

1-2 1-6 2-3 2-7 3-4 4-5 5-6 5-7 14-15 14-18 15-16 16-17 17-19 18-19 21-22
21-26 22-23 23-24 23-28 24-25 25-26 26-28

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 4-5 4-12 5-6 5-7 21-22 21-26 22-23 22-27 23-24 23-28
24-25 25-26 26-28

exact bonds :

3-13 5-10 7-8 7-9 10-11 13-14 17-20 20-21 23-31 28-29 28-30 31-32

normalized bonds :

14-15 14-18 15-16 16-17 17-19 18-19

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:CLASS 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:Atom 29:CLASS
30:CLASS 31:CLASS 32:CLASS

WEST

Generate Collection

Print

L7: Entry 46 of 56

File: JPAB

May 14, 1993

PUB-NO: JP405117407A

DOCUMENT-IDENTIFIER: JP 05117407 A

TITLE: PRODUCTION OF POLYURETHANE RESIN SLURRY AND PRODUCTION OF POLYURETHANE RESIN POWDER

PUBN-DATE: May 14, 1993

INVENTOR-INFORMATION:

NAME

COUNTRY

TSUKANO, TATSURO

NISHITOMI, KATSUHIKO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

DAINIPPON INK & CHEM INC

APPL-NO: JP03282936

APPL-DATE: October 29, 1991

INT-CL (IPC): C08J 3/16; C08J 3/07; C08G 18/08; C08G 18/08

ABSTRACT:

PURPOSE: To obtain a polyurethane resin slurry of a small particle diameter.

CONSTITUTION: An organic solvent solution of a polyurethane resin is mixed with a self-emulsifiable polyurethane resin and then mixed with water to obtain an O/W emulsion. This emulsion is further mixed with water to extract the organic solvent and the self-emulsifiable polyurethane resin from the oil drops of the emulsion. In this way, a slurry containing a porous polyurethane resin of a small particle diameter can be obtained.

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WEST

☐

L7: Entry 47 of 56

File: JPAB

Apr 6, 1993

PUB-NO: JP405086160A

DOCUMENT-IDENTIFIER: JP 05086160 A

TITLE: WATER-BASE O/W DISPERSION OF POLYURETHANE RESIN

PUBN-DATE: April 6, 1993

INVENTOR-INFORMATION:

NAME

COUNTRY

HORAI, KOJI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

SANYO CHEM IND LTD

APPL-NO: JP03276850

APPL-DATE: September 26, 1991

INT-CL (IPC): C08G 18/08; C08G 18/48; C08G 18/50

ABSTRACT:

PURPOSE: To prepare the title dispersion which gives a molded article having high elasticity, shape memory properties, and self-healing ability by dispersing a specific polyurethane resin prep. from an org. polyisocyanate and an active hydrogen component comprising a specific polyol.

CONSTITUTION: A polyurethane resin prep. from an org. polyisocyanate [e.g. 4,4'-methylenebis(cyclohexyl isocyanate)] and an active hydrogen component comprising at least one polyol selected from the group consisting of polyols of formulas I, II, and III [wherein A3 is -SO2-.-CO-, or -C(R1)(R2)- (wherein R1 and R2 are each H, 1-3C alkyl, F, or Cl); A1 and A2 are each 2-4C alkylene; 2≤m+n≤10; 0≤o+p≤10; 0≤q+r≤10; and X is H or CH3] and contg. at least 10wt.% at least one kind of group derived from the polyol and selected from the group consisting of groups of formulas IV, V, and VI is dispersed.

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L7: Entry 51 of 56

File: DWPI

Nov 1, 1996

DERWENT-ACC-NO: 1994-008898

DERWENT-WEEK: 199650

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TITLE: Emulsion stabilising colloid based on linear water soluble or dispersible polyurethane - useful for hindering sedimentation or coalescence of deforming emulsions

INVENTOR: KEUP, M; KLOCKER, O ; SUCKER, R

PATENT-ASSIGNEE:

ASSIGNEE

CODE

GOLDSCHMIDT AG TH

GOLD

PRIORITY-DATA: 1992DE-4237754 (November 9, 1992)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|------------------|----------|-------|------------|
| ES 2091538 T3 | November 1, 1996 | | 000 | B01D019/04 |
| DE 4237754 C1 | January 13, 1994 | | 006 | B01D019/04 |
| EP 597320 A2 | May 18, 1994 | G | 007 | B01D019/04 |
| EP 597320 A3 | February 1, 1995 | | 000 | B01D019/04 |
| EP 597320 B1 | August 28, 1996 | G | 009 | B01D019/04 |
| DE 59303565 G | October 2, 1996 | | 000 | B01D019/04 |

DESIGNATED-STATES: BE DE ES FR GB IT NL

CITED-DOCUMENTS:1.Jnl.Ref; DE 1914684

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|--------------|------------------|----------------|------------|
| ES 2091538T3 | October 27, 1993 | 1993EP-0117381 | |
| ES 2091538T3 | | EP 597320 | Based on |
| DE 4237754C1 | November 9, 1992 | 1992DE-4237754 | |
| EP 597320A2 | October 27, 1993 | 1993EP-0117381 | |
| EP 597320A3 | October 27, 1993 | 1993EP-0117381 | |
| EP 597320B1 | October 27, 1993 | 1993EP-0117381 | |
| DE59303565G | October 27, 1993 | 1993DE-0503565 | |
| DE59303565G | October 27, 1993 | 1993EP-0117381 | |
| DE59303565G | | EP 597320 | Based on |

INT-CL (IPC): B01D 19/04; B01F 17/00

ABSTRACTED-PUB-NO: DE 4237754C

BASIC-ABSTRACT:

A defoaming emulsion comprises an inner phase contg. the defoaming agent and an outer aq. phase that contains an emulsifier or an emulsifying mixt. and at least one dissolved or dispersed emulsion stabilising colloid (I). (I) is a water soluble or dispersible linear polyurethane of formula (I) and is added at 0.1-5 wt.% (with

respect to the aq. phase).

R1 = 1-4C alkoxy, -NH₂, opt. partially or fully alkylated, R₄(OCrH₂r)sO- R₂ = 1-4C alkyl, acyl, (CrH₂rO)sR₄ or (II) R₃ = 2-10C alkenyl or an opt. substd. arylene R₄ = 1-4C alkyl. r = 2-4 s = 5-200 n = 2-4 m = 5-200 p = 5-200.

USE/ADVANTAGE - (I) imparts stability to defoaming emulsions by hindering sedimentation and coalescence and are useful for surfactant solns. and concentrates, SBR-lattices, acrylate dispersions (for paper coating, adhesives, disposition dyes of printing inks), styrene-acrylate copolymers or acrylate-urethane mixts. (paper coating, dispersion dyes) and acrylate resins solns. (printing inks).

ABSTRACTED-PUB-NO:

EP 597320B

EQUIVALENT-ABSTRACTS:

Defoamer emulsion of the O/W type, whose inner phase comprises the active defoaming substance and whose outer, aqueous phase comprises an emulsifier or an emulsifier mixture and, in dissolved or dispersed form, at least one water-soluble or water-dispersible linear polyurethane of the general formula (I); where R₁ is an alkyloxy radical having 1 to 4 carbon atoms, an NH₂ radical of which either or both hydrogens may be replaced by alkyl radicals, or a polyether radical of the formula R₄(OCrH₂r)O- where r is a number from 2 to 4, s is a number from 5 to 200 and R₄ is an alkyl group having 1 to 4 carbon atoms, R₂ is an alkyl radical having 1 to 4 carbon atoms, an acyl radical, a polyether radical of the formula (CrH₂rO)sR₄, where r is a number from 2 to 4, s is a number from 5 to 200 and R₄ is an alkyl group having 1 to 4 carbon atoms, or a radical of the formula CONHR₃NHCOR₁ (II); R₃ is an alkylene radical having 2 to 10 carbon atoms or a substituted or unsubstituted arylene radical, n is a number from 2 to 4, m is a number from 5 to 200, and p is a number from 5 to 200, in quantities of from 0.1 to 5.0% by weight, based on aqueous phase, as emulsion-stabilizing protective colloid.

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

TITLE-TERMS: EMULSION STABILISED COLLOID BASED LINEAR WATER SOLUBLE DISPERSE POLYURETHANE USEFUL HINDERED SEDIMENT COALESCE DEFORM EMULSION

DERWENT-CLASS: A25 A60

CPI-CODES: A05-G03; A10-E01; A12-W12C;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0004 0231 1279 1297 2014 2022 3273

Multipunch Codes: 017 038 04- 147 150 231 240 250 31- 59& 623 624 724

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-003595